

03601630 LOCKE BRANCH NEAR BENDING CHESTNUT, TN

LOCATION.--Lat 35°52'19", long 87°06'14", Williamson County, Hydrologic Unit 05130204, on left bank of Locke Branch, .5 mi upstream from right bank confluence with Anglin Branch, 1.25 mi northwest of Bending Chestnut.

DRAINAGE AREA.--.81 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 2005 to September 2005.

GAGE.--Data collection platform and crest-stage gage.

REMARKS.--Records good, except for estimated daily discharges, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92 ft³/s, Aug. 30; maximum gage height, 3.36 ft, Aug. 30; minimum discharge, 0.26 ft³/s, many day; minimum daily discharge, 0.29 ft³/s, Aug. 20, 21, 22, 24, 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	e0.90	1.6	6.4	2.2	0.68	0.38	0.32	0.86
2	---	---	---	---	e0.90	1.5	5.6	1.7	1.3	0.33	0.33	0.57
3	---	---	---	---	e0.89	1.3	3.6	1.4	0.69	0.31	0.33	0.45
4	---	---	---	---	e0.89	1.3	2.7	1.1	0.55	0.32	0.32	0.41
5	---	---	---	---	e0.88	1.2	2.4	1.0	0.50	0.33	0.33	0.40
6	---	---	---	---	e0.87	1.2	5.3	1.0	1.7	0.33	0.35	0.38
7	---	---	---	---	e0.86	1.3	13	0.90	0.65	0.32	0.35	0.39
8	---	---	---	---	e0.85	1.3	8.0	0.82	0.50	0.31	0.35	0.41
9	---	---	---	---	e0.84	1.2	4.6	0.80	0.46	0.30	0.34	0.41
10	---	---	---	---	e0.83	1.1	3.5	0.72	0.46	0.31	0.33	0.41
11	---	---	---	---	0.81	1.1	2.8	0.66	0.61	0.62	0.32	0.41
12	---	---	---	---	0.76	1.1	2.5	0.65	2.1	0.42	0.33	0.41
13	---	---	---	---	1.6	1.00	2.3	0.64	0.82	0.56	0.32	0.41
14	---	---	---	---	1.4	0.93	2.1	0.75	0.59	0.82	0.33	0.42
15	---	---	---	---	1.2	0.86	1.8	0.65	0.50	0.78	0.56	0.61
16	---	---	---	---	1.1	1.0	1.6	0.57	0.45	0.70	0.88	0.53
17	---	---	---	---	0.95	0.92	1.4	0.56	0.43	0.53	2.6	0.53
18	---	---	---	---	0.85	0.85	1.3	0.53	0.41	0.43	0.44	0.52
19	---	---	---	---	0.79	0.85	1.1	0.68	0.40	0.61	0.31	0.51
20	---	---	---	---	5.7	0.83	1.1	0.60	0.39	0.47	0.29	0.52
21	---	---	---	---	6.4	0.81	1.0	0.52	0.38	0.41	0.29	0.51
22	---	---	---	---	3.3	1.2	2.8	0.51	0.36	0.43	0.29	0.53
23	---	---	---	---	2.1	3.0	1.5	0.49	0.36	0.40	0.31	0.54
24	---	---	---	---	1.7	1.5	1.3	0.45	0.35	0.39	0.29	0.60
25	---	---	---	---	1.3	1.4	1.2	0.45	0.34	0.36	0.29	1.5
26	---	---	---	---	1.1	1.3	1.2	0.44	0.35	0.35	0.37	0.83
27	---	---	---	---	1.0	1.5	1.1	0.41	0.53	0.36	0.33	0.46
28	---	---	---	---	1.6	2.6	1.4	0.40	0.40	0.37	0.89	0.42
29	---	---	---	---	---	2.0	1.7	0.41	0.35	0.35	0.49	0.45
30	---	---	---	---	---	1.9	4.4	0.41	0.34	0.32	13	0.38
31	---	---	---	---	---	1.7	---	0.46	---	0.33	1.5	---
TOTAL	---	---	---	---	42.37	41.35	90.7	22.88	17.95	13.25	27.78	15.78
MEAN	---	---	---	---	1.51	1.33	3.02	0.74	0.60	0.43	0.90	0.53
MAX	---	---	---	---	6.4	3.0	13	2.2	2.1	0.82	13	1.5
MIN	---	---	---	---	0.76	0.81	1.0	0.40	0.34	0.30	0.29	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2005, BY WATER YEAR (WY)

MEAN	---	---	---	---	1.51	1.33	3.02	0.74	0.60	0.43	0.90	0.53
MAX	---	---	---	---	1.51	1.33	3.02	0.74	0.60	0.43	0.90	0.53
(WY)	---	---	---	---	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	---	---	---	---	1.51	1.33	3.02	0.74	0.60	0.43	0.90	0.53
(WY)	---	---	---	---	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)

e Estimated

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